

IPUMSU

MICHIGAN STATE UNIVERSITY | INSTITUTE OF PUBLIC UTILITIES Regulatory Research and Education 517.355.1876 | 517.355.1854 fax | ipu.msu.edu | ipu@msu.edu



IPU Grid School Course III:

Demand-Side: Forecasting and Efficiency, Load Management, and Policy Evaluation

May 6-8, 2025 – Live Online Learning

IPU Power Grid School covers the engineering and economics of the electric utility systems across the supply chain for power and its transformation, from generation to transmission to distribution.

Program Agenda

All times are eastern standard time.

May 6 – Tuesday Forecasting and Efficiency

10:00-11:20 am National energy sector forecasting and data [Harvey]
80 min.

11:40-1:00 pm National energy sector forecasting and data cont. [Harvey]
80 min.

2:00-3:20 pm Demand modeling and forecasting and load drivers [Gotham]
80 min.

3:40-5:00 pm Electrification, flexibility, demand management, and capacity planning [Kurtz & Sinton]
80 min.

May 7 – Wednesday Load Management

10:00-11:20 am Driving affordable energy through utility program design [Stenger]
80 min.

11:40-1:00 pm Customer participation in demand response programs [Wang]
80 min.

2:00-3:20 pm Peak load management and direct load control [Cetin & Guillante]
80 min.

3:40-5:00 pm Electric vehicles and charging infrastructure [Zhao & Ghamami]
80 min.

May 8 – Thursday Policy Evaluation







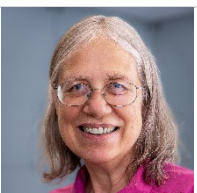
10:00-11:20 am Economic evaluation of resource policy alternatives [Nordman]
80 min.








11:40-1:00 pm Ethics and informatics for managing and sharing utility customer data [Ruddell]
80 min.

2:00-3:20 pm Energy communities, land use, and justice [Eisenberg]
80 min.

3:40-5:00 pm Disparities and justice in the clean energy transition [Schott]
80 min.

IPU Power Grid Course III 2025: Program Faculty

	<p>Kristen CETIN (cetinkri@msu.edu) Associate Professor, Civil Environmental Engineering, MSU Ph.D., Civil Engineering, The University of Texas Austin www.linkedin.com/in/kristen-cetin-phd-pe-leed-ap-8b5b0222/</p>
	<p>Ann EISENBERG (ameisenberg@mail.wvu.edu) Professor, Law and Research Director, Center for Energy and Sustainable Development, West Virginia University J.D. Cornell Law School www.law.wvu.edu/faculty-staff/faculty/ann-eisenberg</p>
	<p>Mehrnaz GHAMAMI (ghamamim@egr.msu.edu) Assoc. Professor Civil and Environmental Engineering, MSU Ph.D. Transportation Engineering and Planning, Northwestern University www.linkedin.com/in/mehrnaz-ghamami-24487555/</p>
	<p>Doug GOTHAM (gotham@purdue.edu) Director (retired), State Utility Forecasting Group, Purdue University Ph.D. Electrical Engineering, Purdue University www.linkedin.com/in/douglas-gotham-68128b1a/</p>
	<p>Patricia GUILLANTE (guillant@msu.edu) Research Assistant, Civil Engineering, MSU Ph.D. Civil Engineering, Michigan State University www.linkedin.com/in/patricia-guillante-132ab515a/</p>
	<p>Stephen HARVEY (stephenharveyenergy@gmail.com) Retired, Energy Analyst, U.S. Energy Information Administration M.P.P. Public Policy, Harvard University www.linkedin.com/in/stephen-harvey-ab20981/</p>
	<p>Sarah KURTZ (skurtz@ucmerced.edu) Distinguished Professor, University of California Merced Ph.D., Chemical Physics, Harvard University https://faculty.ucmerced.edu/skurtz/</p>

	<p>Erik NORDMAN (erik.e.nordman@gmail.com) Resilience Consultant Ph.D., Natural Resource Policy and Economics, State University of New York College of Environmental Science and Forestry www.linkedin.com/in/erik-nordman/</p>
	<p>Ben RUDDELL (benjamin.ruddell@nau.edu) Professor, School of Informatics Computing and Cyber Systems, Northern Arizona Univ. Ph.D., Civil & Environmental Engineering; University of Illinois Urbana-Champaign www.linkedin.com/in/benjaminruddell/</p>
	<p>Justin SCHOTT (jbschott@umich.edu) Director, Energy Equity Project and Lecturer, University of Michigan School for Environment and Sustainability M.S., School of Natural Resources and Environment, Resource Policy and Behavior, University of Michigan www.linkedin.com/in/justinschott/</p>
	<p>Katelyn STENGER (katelyn.stenger@nrel.gov) Researcher, Systems, Behavior, and the Built Environment, National Renewable Energy Laboratory Ph.D., Civil Engineering, University of Virginia www.linkedin.com/in/katelyn-stenger/</p>
	<p>Ronald SINTON (skurtz@ucmerced.edu) President and Senior Scientist, Sinton Instruments Ph.D., Applied Physics, Stanford University Ron@SintonInstruments.com www.SintonInstruments.com</p>
	<p>Yu WANG (yuwang@iastate.edu) Associate Professor, Iowa State University Ph.D., Public Policy, Georgia Institute of Technology www.linkedin.com/in/yuwanggt/</p>
	<p>Dong ZHAO (dz@msu.edu) Director, Doctoral Program Planning, Design and Construction, Michigan State University Ph.D., Building Construction, Virginia Tech www.canr.msu.edu/people/dong_zhao www.linkedin.com/in/unidzhao/</p>